



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

November 2, 2017

Lisa Amadio  
Registration Manager  
Mason Chemical Company  
Arlington Heights, IL 60005

Subject: PRIA Label and CSF Amendment – To update label language and CSFs  
Product Name: MAQUAT® MC1412-60-LF  
EPA Registration Number: 10324-196  
Application Date: June 22, 2017  
Decision Number: 530976

Dear Ms. Amadio:

The amended label and CSF(s) referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, are acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Please note that the record for this product currently contains the following CSF(s):

- Basic CSF dated 06/22/2017
- Alternate CSF 2 dated 06/22/2017

Per registrant request the Product Primary Brand name now is MAQUAT® MC1412-60-LF.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process.

Page 2 of 2  
EPA Reg. No. 10324-196  
Decision No. 530976

Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. If you have any questions, please contact Emilia Oiguenblik by phone at 703 347 0199, or via email at [Oiguenblik.emilia@epa.gov](mailto:Oiguenblik.emilia@epa.gov) or Eric Miederhoff by phone at 703 347 8028, or via email at [Miederhoff.eric@epa.gov](mailto:Miederhoff.eric@epa.gov).

Sincerely,



Eric Miederhoff  
Product Manager 31  
Regulatory Management Branch I  
Antimicrobials Division (7510P)  
Office of Pesticide Programs

Enclosure: Stamped label, Acute Tox. review, Chemistry review

# MAQUAT<sup>®</sup> MC1412-60-LF

*(Note to Reviewer: Marketing claims may be used on the front panel.)*

**ACTIVE INGREDIENTS:**

Alkyl (50%<sub>C14</sub>, 40%<sub>C12</sub>, 10%<sub>C16</sub>)  
dimethyl benzyl ammonium chloride ..... 60.0%

**OTHER INGREDIENTS:** ..... 40.0%

**TOTAL:** ..... 100.0%

{Weight Approx. 8.2 lbs./gal.}

**KEEP OUT OF REACH OF CHILDREN  
DANGER {PELIGRO}**

{See [{left} {back} {side} {right} {insert} {panel} {of label} {below}] for {additional} {precautionary statements}{and}{or}{first aid}}.

*(Note to Reviewer: First Aid may only appear on different area of the container label if the Front Panel is less than 12 square inches in total.)*

**FIRST AID**

In case of emergency, call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

**IF IN EYES:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.

**IF INHALED:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.

**IF ON SKIN:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.

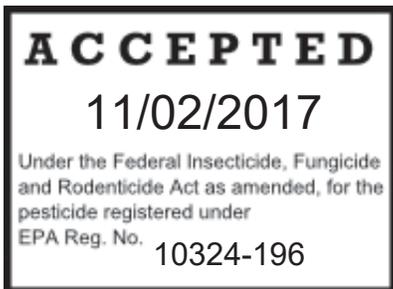
**IF SWALLOWED:** Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person. Call a poison control center or doctor immediately for treatment advice.

**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage.

{For [{chemical} {and} {or} {medical} {and} {or} {environmental}] emergencies, call {insert name and/or number of emergency contact} {hours of operation} {24 hours a day} {7 days a week}}.



{See {additional} {sheet} {insert} {inside} {outer container} for {other} {directions for use} {information} {claims} {organisms}}.



Net Contents:  
{Batch} {Lot} No {Manufacturing Date}:  
{Product of USA} {Made in the USA}



## TABLE OF CONTENTS

*(Note to Reviewer: The Table of Contents will not be on any label. This is for our customer's reference only.)*

MARKETING CLAIMS.....	2
WATER TREATMENT (Not for Use in CA.) .....	4
ALGAE TREATMENT .....	6
STORAGE AND DISPOSAL .....	9
PRECAUTIONARY STATEMENTS .....	9
ENVIRONMENTAL HAZARDS .....	9



## MARKETING CLAIMS

*(Note to Reviewer: Marketing text is considered optional. Commas and the words “and” “or” can be added to phrases to make text grammatically correct.)*

### {LOCATIONS/SURFACES}

*(Note to Reviewer: The locations/surfaces have been grouped for space purposes only; they can be used individually or grouped together in any order however at least **one** location/surface must appear on the label. In the case where one or more location/surface is chosen, an “and” “&” “or” may be used to link locations/surfaces. In the case where the location/surface is not registered in the State of California the statement “(Not for use in CA.)” may be added to the location/surface.)*

This product is for use in *(insert location)*  
For use {in} {on} *(insert location/surface)*.

### {LOCATIONS}

- Auxiliary water systems
- Commercial recirculating cooling water towers
- Industrial {and/or} {commercial} recirculating cooling towers.
- Industrial scrubbing systems
- Once through fresh water cooling systems
- Once through freshwater systems
- Recirculating water systems
- Retort water systems (Not for use in CA.)
- Waste water systems
- Water cooling systems
  
- Fountains
- Ponds
- Swimming pools
- Whirlpools, spas, hot tubs

### WATER TREATMENT MARKETING CLAIMS

**(Note to Reviewer:** The following marketing claims may be used with the prefix “This product” or “This product is {a} {an}”.)

- Algaecide
- Aids in the control of bacterial, fungal and algal slimes in evaporative condensers, heat exchange water systems, industrial and commercial cooling towers, influent systems such as flow through filters and lagoons, industrial water scrubbing systems and brewery pasteurizers.
- Aids in the control of bacterial, fungal and algal slimes in retort water systems. (Not for use in CA.)
- A water treatment microbiocide for industrial and/or commercial recirculating cooling water towers.
- A water treatment microbiocide for retort water systems. (Not for use in CA.)
- Controls algae and algal slime growth in industrial and/or commercial recirculating cooling water towers and once through freshwater cooling systems.
- Effective against the growth of algae.
- For control of algae, algal, fungal and bacterial slimes in recirculating water systems, auxiliary water and waste water systems and water cooling systems.
- Helps inhibit the growth of unsightly algae.
- Is a microbiocide that helps clean and loosen slime debris from cooling and flooding system surfaces.
- Is a water treatment microbiocide that will control algae and bacterial slimes found in recirculating cooling tower waters.
- Kills and prevents algae.
- The residual effectiveness of this algaecide tends to stabilize the total chemical treatment system.
- This product is effective for the control of odor-forming and slime-forming bacterial, fungi and algae in auxiliary service water systems such as fire protection systems and pump or screen bays, waste water systems such as storage tanks, storage piles, associated piping, setting ponds or lagoons, transport spillways or canals and disposal wells.
- To control algae and bacterial slimes, use this water treatment microbiocide as directed.

### SWIMMING POOL TREATMENT MARKETING CLAIMS

**(Note to Reviewer:** The following marketing claims may be used with the prefix “This product” or “This product is {a} {an}”.)

- Algaecide
- Compatible with most {swimming pool} chemicals {used in pool water} {and} {when used as directed,} is not harmful to the metal, paint, plastic or non-porous glazed tile {surfaces} {of the swimming pool}.
- Effective against the growth of algae.
- Effective winterizer.
- Especially effective against growth of algae and being non-volatile, aids in maintaining pool water clarity and sparkle.
- For control of algae {and algae slime} growth in swimming pools, {outside} spas/whirlpools/hot tubs {baths}, {containerized} {decorative} fountains (Not for use in CA.)
- For control of algae growth in swimming pools, {outside} spas/whirlpools/hot tubs {baths}, {containerized} {decorative} fountains  
**(Note to Reviewer:** Containerized and outside must be used in CA.)
- Helps inhibit the growth of unsightly algae.
- Keeps pool water sparkling, clear of visible green and blue-green algae, {slime} and green brown colors. (Not for use in CA.)
- Keeps pool water sparkling, clear of visible green and blue-green algae, and green brown colors.
- Kills and prevents algae.
- The residual effectiveness of this algaecide tends to stabilize the total chemical treatment system.
- This product supports your overall pool chemical maintenance program, offering residual effectiveness that protects your pool against algae formation while keeping your pool water sparkling clear.
- {This product is} formulated to complement swimming pool water being treated with normal chlorine systems.
- This product is effective in controlling the growth of the following types of algae: *Chlorella pyrenoidosa* (green algae), *Phormidium indundatum* (blue-green algae) and *Phormidium ritzii*.
- This product protects the unattended pool when you're away (refer to Vacation Treatment section in the directions for use).
- To control algae {and bacterial slimes}, use this water treatment microbiocide as directed. (Not for use in CA.)
- To control algae use this water treatment microbiocide as directed.
- When used as directed will help improve the appearance and cleanliness of the [{swimming pool water} {and} {fountain water}].

## GENERAL MARKETING CLAIMS

(Note to Reviewer: The following marketing claims may be used with the prefix "This product" or "This product is {a} {an}")

- Efficient and non-staining when used as directed.
- Is non-staining.
- Low- foaming formula.
- No Bleach
- Non-Acidic
- Non-Caustic
- Will not damage tile, concrete, metal or plastics.

## PACKAGING CLAIMS

- Concentrate{d}.
- 60% Concentration
- Easy to use.
- Economy size. (Note to Reviewer: To be used on applicable container)
- Is an economical concentrate.
- 21 oz. treats 50,000 gal. (For swimming pool applications.)
- Makes (insert value) {{Gal.} {Quarts} {Containers}}
- This {{container} {bottle}} is made of {at least} (x) % post-consumer recycled plastic.

## DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

(Note to Reviewer (General Considerations): Numbered instructions will be used if label space permits, otherwise may appear in paragraph format. Unit abbreviations can be spelled out. When choosing optional text, appropriate punctuation can be inserted or deleted. Equivalent use dilution ratios may be substituted within the directions.)

{Please read entire label and use strictly in accordance with precautionary statements and directions.}

### WATER TREATMENT (Not for Use in CA.)

Do not use water containing residues from use of this product to irrigate crops for food or feed.

**INDUSTRIAL {{AND/OR} COMMERCIAL} RECIRCULATING COOLING WATER TOWERS, RETORT WATER SYSTEMS, EVAPORATIVE CONDENSERS, HEAT {{EXCHANGE} {TRANSFER}} {WATER} SYSTEMS, INFLUENT SYSTEMS, {BREWERY} PASTEURIZERS:** For best results, clean heavily contaminated systems before treatment with this product. If soap or anionic detergent is used, rinse thoroughly before charging with this algacide. {Cooling tower waters that are inherently low in algae growth and bacteria count may be adequately controlled by the lower range of these dosages.} Repeat every seven days or increase frequency if needed. Should slime develop again, repeat initial dosage.

1. **Dosing Location:** This product is to be applied at a point in the system where it will be uniformly mixed, such as the basin area, the sump, or another reservoir or collecting area.
2. **Dosing Conditions:** This product must be applied when the system is in jeopardy of being affected or after cleaning systems where efficiency is already impaired. {Tower bleed off valves must be closed to permit a retention time of 4 hours.}
3. **Method of Application:**
  - a. **INTERMITTENT OR SLUG METHOD**

**Initial Dose:** When the system is noticeably fouled, apply 4.3 – 8.5 oz. of this product per 1,000 gal. of water {{20 – 40 ppm active}} in the system. Repeat until control is achieved.

**Subsequent Dose:** When microbial control is evident, add 1.1 – 3.2 oz. of this product per 1,000 gal. of water {{5 – 15 ppm active}} in the system weekly or as needed to maintain control.
  - b. **MODIFIED INTERMITTENT METHOD**

**Initial Dose:** When the system is noticeably fouled, apply 4.3 – 8.5 oz. of this product per 1,000 gal. of water {{20 – 40 ppm active}} in the system. Apply half of this initial dose when half of the water in the system has been lost by blowdown.

**Subsequent Dose:** When control of microbial growth is evident, apply 1.1 – 3.2 oz. of this product per 1,000 gal. of water {{5-15 ppm active}} in the system. Apply half of this subsequent dose when half of the water in the system has been lost by blowdown.
  - c. **CONTINUOUS FEED METHOD**

**Initial Dose:** When the system is noticeably fouled, apply 4.3 – 8.5 oz. of this product per 1,000 gal. of water {{20 - 40 ppm active}} in the system.

**Subsequent Dose:** Maintain this treatment by starting a continuous feed of 1.1 – 3.2 oz. of this product per 1,000 gal. of water {{5 - 15 ppm active}} lost by blowdown.

**ONCE THROUGH FRESH {AND SEA} WATER COOLING SYSTEMS** (Not for use in CA.): Use of the product in either public/municipal or single or multiple family private/residential potable/drinking water systems is strictly prohibited. Use of the product in any cooling water system that discharges effluent within ¼ mile of either a public/municipal or single or multiple family private/residential potable/drinking water intake is strictly prohibited.

{For best results, slug feed. The frequency of addition of microbiocide needed depends on many factors. To optimize your use of water treatment microbiocide, follow this procedure.}

1. **Dosing Location:** This product is to be applied at a point in the system where it will be uniformly mixed, such as at the sump.
2. **Dosing Conditions:** This product must be applied when the system is in jeopardy of being affected or after cleaning systems where efficiency is already impaired.
3. **Method Of Application:**
  - a. Wear safety glasses, rubber gloves and impervious apron.
  - b. To reduce foaming, mix 2 parts of water to 1 part of this product.
  - c. [{Use} {Add}] 0.2 – 2.1 oz. of this product per 1,000 gal. of water {(1 – 10 ppm active)}.
  - d. Do not discharge without performing proper deactivation.
  - e. Treatment time cannot exceed 120 hours/application nor exceed 4 times per year.
  - f. Avoid oxidizers and reducing agents. Product is cationic and must not be mixed with soap or anionic surfactants.

(OR)

*(Note to Reviewer: Alternate Method of Application language can be used in place of Item #3 directly above.)*

3. **Method Of Application:**

**INTERMITTENT OR SLUG METHOD**

**Initial Dose:** When the system is noticeably fouled, apply 0.1 – 1.3 oz. of this product per 1,000 gal. of water {(0.6 – 6 ppm active)} based on system flow rates. The minimum treatment is 6 to 24 hours. Repeat until control is achieved. Deactivation must be conducted prior to discharge from the system by using bentonite clay at a minimum ratio of 5 ppm clay to 1 ppm product.

**Subsequent Dose:** When microbial control is evident, add 0.06 – 0.64 oz. of this product per 1,000 gal. of water {(0.3 – 3 ppm active)} based upon system flow rates on an as needed basis to maintain control. Frequency of feed must be tied to an in-plant monitoring program for macro cawling growth. Deactivation must be conducted prior to discharge from the system by using bentonite clay at a minimum ratio of 5 ppm clay to 1 ppm product.

*(Note to Reviewer: Deactivation instructions must be used with the above Once Through directions for use.)*

**DEACTIVATION:** Use bentonite clay at the minimum ratio of 5 ppm clay to 1 ppm product. This product must be deactivated prior to discharge of the NPDES outfall. Do not apply this product more than 4 times a year.

**BACTERIAL, FUNGAL AND ALGAE {SLIME} CONTROL IN RECIRCULATING AUXILIARY AND WASTE WATER SYSTEMS, AND {BREWERY} PASTEURIZERS:**

**Initial dose:** Add this product at an initial dosage of 4.3 – 8.5 oz. of product per 1,000 gal. of system water {(20 - 40 ppm active)}. Repeat until the desired level of control is achieved. Heavily contaminated systems must be pre-cleaned.

**Subsequent dose:** Once control is achieved, add maintenance dosages of 1.1 – 4.3 oz. of product per 1,000 gal. of system water {(5 - 20 ppm active)} weekly or as needed to maintain control. Apply this product to a point in the system where it will be uniformly mixed and distributed, such as the tower sump.

**AUXILIARY SYSTEMS AND SERVICE WATER:** Add 1.1 – 38.4 oz. of this product per 3,000 gal. of water {(5 - 180 ppm active)} in the system continuously. This product must be added to the system at a point of uniform mixing by slug or intermittent feed or by spraying onto a waste pile. The frequency of feed or spray and the duration of treatment will depend upon the severity of the contamination. Additions to water systems must be made during the pumping operation and as close to the pump as possible to ensure adequate mixing.

**INDUSTRIAL WASTEWATER SYSTEMS {Wastewater Systems, Wastewater Sludge and Wastewater Holding Tanks}:** This product is added to a wastewater system or sludge at a convenient point of uniform mixing such as digester. Add 0.4 – 2.1 gal. of this product per 1,000 gal. of wastewater or sludge {[250 – 1250 ppm active]}.

## ALGAE TREATMENT

**SWIMMING POOLS:** This product is compatible with most chemicals normally used in swimming pool maintenance; however, in its concentrated form, this chemical must not come in contact with high concentrations of chlorine or any other oxidizer. **DO NOT MIX THIS PRODUCT AND CHLORINE OR ANY OTHER OXIDIZER TOGETHER** before adding to the pool. These chemicals must be handled separately.

This product was formulated to complement most swimming pool sanitizers. This product is not a stand-alone product, it must be used with either halogen based or non-halogen based pool sanitizers. When using other products as outlined in the directions for this product, always follows directions on those products.

This product requires no special equipment for treating swimming pool water. The correct use dilution may be added directly to the pool in any spot or added to the water-circulation equipment. This product works best when added directly to the pool water by pouring around entire outside perimeter of pool.

Do not allow swimming in pool for at least 15 minutes after this product has been applied.

Ensure all pool equipment is working properly. Backwash the filter system following manufacturer's directions. Adjust pH between 7.2 – 7.6. Adjust chlorine residual to 1 – 3 ppm. In a chlorine treated pool, add stabilizer to establish a minimum level of 40 – 50 ppm to reduce the degradative effects of sunlight upon the chlorine residual. Check for metals and if present add stain and scale inhibitor to prevent staining of pool surface due to metals. Check chlorine residual and adjust to 1 – 3 ppm.

**TO DETERMINE POOL CAPACITY:**

**Rectangular Pools:** Length (times) width (times) average depth (in feet) (times) 7.5 (equals) gal..

**Round and Oval Pools:** Long diameter (times) short diameter (times) average depth (in feet) (times) 5.9 (equals) gal.

*(Note to Reviewer: Appropriate dilution rates may be substituted as long as they are equivalent dilution rates.)*

**{SWIMMING POOL TREATMENT DILUTION TABLE: (Note to Reviewer: This DILUTION TABLE is optional.)}**

Swimming Pool Capacity gal. of Water	Initial Treatment	Maintenance Dose Booster Dose
5,000	2.1 oz.	0.5 oz.
10,000	4.3 oz.	1.1 oz.
15,000	6.4 oz.	1.6 oz.
20,000	8.5 oz.	2.1 oz.
25,000	10.7 oz.	2.7 oz.
30,000	12.8 oz.	3.2 oz.
40,000	17.1 oz.	4.3 oz.
50,000	21.3 oz.	5.3 oz.

**INITIAL APPLICATION FOR SWIMMING POOLS {{USING} {{HALOGENATED} {NON-HALOGENATED}} {SANITIZERS}}:**

1. Backwash the filter thoroughly.
2. Vacuum algae debris and thoroughly brush pool.
3. Add 12.8 oz. of this product per 30,000 gal. of water {{(6.4 oz. this product per 15,000 gal. of water)} {{(or equivalent use dilution)}}.
4. Vacuum pool after 24 hours to remove dead algae.
5. If algae is still visible repeat dose {{(steps 3 & 4)}} as necessary until pool is free of visible algae.
6. Once algae are under control, clean filter and return to normal operation.

**MAINTENANCE APPLICATION:** Add 6.4 oz. of this product per 60,000 gal. of water {{(or equivalent use dilution)}} every 3 – 5 days. If high temperatures prevail or pool has unusually heavy use, add maintenance dose more frequently.

{For persistent algae, {or slime producing organisms} add 6.4oz. of this product in to the skimmer with the filter pump running. After one minute shut off pump and allow the system to remain off overnight. The following day, restart the filter pump and add 6.4 oz. of this product to the pool. Run filter continuously for 24-48 hours brushing the sides and bottom of the pool frequently.}

**BOOSTER APPLICATION:** Add 6.4 oz. of this product per 60,000 gal. of water {(or equivalent use dilution)} after a heavy or prolonged rainfall or when there is a heavy bathing load.

The directions should be followed even when the pool is not in use. If algae growth is noticeable, apply initial dose. {For persistent algae, {or slime producing organisms} add 6.4 oz. of this product into the skimmer with the filter pump running. After one minute shut off pump and allow the system to remain off overnight. The following day, restart the filter pump and add 6.4 oz. of this product to the pool. Run filter continuously for 24 – 48 hours brushing the sides and bottom of the pool frequently.}

**VACATION TREATMENT:** When you are going to be away for one week or more, add 6.4 oz. of this product per 15,000 gal. of water {(or equivalent use dilution)} for every week unattended. Pour product around the edges of the shallow end of the pool, if shock is also being applied in the deep end of pool.

**WINTERIZING TREATMENT** (Not for use in CA.): When swimming pool season is over, add 16 oz. of this product per 15,000 gal. of water {(or equivalent use dilution)} left in pool. This dose helps provide a measure of control of algae growth during the winter months.

{Clean pool water line, shut down filter, drain pump and winterize as per manufacturer’s instructions. Cover pool with solid cover, if possible. Pools without a solid cover may need a second treatment later in the non-swimming season.}

**FOR ALGAE TREATMENT OF [{SPAS} {WHIRPOOLS} {HOT {TUBS} {BATHS}}]** (Not for use in CA.):

**Initial Dose:** Add 3.2 oz. of this product per 7,500 gal. of pool water {(or equivalent use dilution)}. Initial dose is used upon filling of [{spa} {whirlpool} {hot {tub} {bath}}].

**Maintenance Dose:** Add 0.8 oz. of this product per 7,500 gal. of water {(or equivalent use dilution)}. Maintenance dose should be added at 3 – 5 day intervals. If high temperatures prevail or [{spa} {whirlpool} {hot {tub} {bath}}] has unusually heavy use, add maintenance dose more frequently. Drain and clean spa/whirlpool/hot tub bath at least once a month or as needed depending on bather load.

**BIRD BATHS:** DO NOT use when fish are present. Clean to remove algae growth prior to filling birdbath and spray the exposed surface with a solution of 0.17 oz. {1 tbsp.} of this product per gallon of water {(or equivalent use dilution)}. Allow to air dry and brush off dead algae.

**WALKWAYS** (Not for use in CA.): This product will inhibit the growth of algae on walkways. For heavy infestations, spray or swab surface with a solution of 0.17 oz. of this product per gal. of water {(or equivalent use dilution)}. Let stand for an hour or more then brush and wash away dead algae. Soak area again with the solution. Do not rinse. Allow to dry on the surface and repeat application when algae growth returns. For sprayer applications, use as a coarse spray only. Allow surfaces to remain wet for 10 minutes then air dry. Prepare a fresh solution daily or when visibly dirty.



*(Note to Reviewer: The description of “Containerized” must be used for products registered/sold into CA.)*

**{FOUNTAIN AND POOL TREATMENT DILUTION TABLE: (Note to Reviewer: This DILUTION TABLE is optional.)}**

Fountain or Pool Capacity gal. of Water	Initial Treatment	Maintenance Dose Booster Dose
203	0.1 oz.	0.02 oz.
406	0.2 oz.	0.04 oz.
812	0.3 oz.	0.1 oz.
1,625	0.7 oz.	0.2 oz.
3,250	1.4 oz.	0.3 oz.
7,500	3.2 oz.	0.8 oz.
15,000	6.4 oz.	1.6 oz.
30,000	12.8 oz.	3.2 oz.
60,000	25.6 oz.	6.4 oz.

**FOR ALGAE TREATMENT OF {CONTAINERIZED} FOUNTAINS, WATER DISPLAYS, DECORATIVE AND SWIMMING POOLS/PONDS AND STANDING WATER** {in such places as puddles at golf courses, recreational parks, amusement parks, universities and cemeteries}: Do NOT use when fish or other wildlife are present. This product is not to be used in open water ways connected to larger watersheds or in waters that serve as natural habitats for aquatic or amphibious organisms. {Spray from fountains treated with this product will not harm {poolside} {nearby} plantings.}

Remove floating type algae by raking, dragging with cable or chain, skimming, or any other suitable method. {It is more economical to remove floating type algae before the water is treated.}

{Treat water by “dribbling” this product using 1 part to 4 parts water {(or equivalent use dilution)} around the edges where visible algae growth is evident.} {Apply 0.4 oz. of this product per 1,000 gal. of water {(or equivalent use dilution)}.} Apply prepared solution liberally along the windward side to float across the water and along the leeward side where contamination gathers. Where a spray rig is available, it may be used to apply the prepared solution instead of the hand “dribbling” method. Each week repeat maintenance dosage or add this product using a test kit to maintain the proper concentration.

**Initial Dosage:** Add 6.4 oz. of this product per 15,000 gal. of water {(or equivalent use dilution)} at any point that is convenient, such as the bowl, pool, or sump.

**Weekly Maintenance:** Add 6.4 oz. of this product per 60,000 gal. of water {(or equivalent use dilution)} every 3 – 5 days or as to maintain 0.5 ppm active. Each month drain and clean bowl. Refill with fresh water and repeat initial treatment. Draining removes airborne dirt, dust, contamination and alkali build-up.

**{Note:** Algae does not usually grow in water that is 5 feet or more in depth. However, floating type algae may grow on pond weeds that grow on the surface of the water.}

#### **FOR ALGAE TREATMENT OF {CONTAINERIZED} DECORATIVE POOL APPLICATIONS:**

**Initial Dosage:**

- 0.1 oz. per 52 gal. of water {(5 ppm active)}
- 0.3 oz. per 312 gal. of water {(5 ppm active)}
- 5.3 oz. per 5,000 gal. of water {(5 ppm active)}
- 10.7 oz. per 10,000 gal. of water {(5 ppm active)}

**Weekly Maintenance:** Add not more than one-half the initial dosage. When pool is to remain empty for several weeks or longer, spray exposed surfaces with a solution of X oz. of this product per 52 gal. of water {(or equivalent use dilution)}.

**Initial Dosage:** Add 5.3 oz. of this product per 12,500 gal. of water {(2 ppm active)} {(or equivalent use dilution)} at any point that is convenient, such as the bowl, pool, or sump.

**Weekly Maintenance:** Add 1.3 oz. of this product per 12,500 gal. of water {(0.5 ppm active)} {(or equivalent use dilution)} every 3 – 5 days or as to maintain 0.5 ppm active. Each month drain and clean bowl. Refill with fresh water and repeat initial treatment. Draining removes airborne dirt, dust, contamination and alkali build-up.

## STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage and disposal.

**{PESTICIDE} STORAGE:** Store only in original container. Keep this product under locked storage sufficient to make it inaccessible to children or persons unfamiliar with its proper use.

**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

### CONTAINER HANDLING:

*(Note to Reviewer: One or more of the following paragraphs for Container Handling will be selected, depending on packaging use/type.)*

*{For non-refillable containers equal to or less than 5 gal.}*

Non-Refillable Container. Do not reuse or refill this container. Triple rinse container {(or equivalent)} promptly after emptying. Triple rinse as follows: Fill the container ¼ full with water and recap. Shake for 10 seconds. Drain for 10 seconds after the flow begins to drip. Follow Pesticide Disposal instructions for rinsate disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.

*{For non-refillable containers greater than 5 gal.}*

Non-Refillable Container. Do not reuse or refill this container. Triple rinse container {(or equivalent)} promptly after emptying. Triple rinse as follows: Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip back and forth several times. Turn the container over onto its other end and tip back and forth several times. Follow Pesticide Disposal instructions for rinsate disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.

*{Refillable containers}*

Refillable Container. Refill this container with this product only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal empty the remaining contents from this container into application equipment or a mix tank. Fill container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

## PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**DANGER.** Corrosive. Causes irreversible eye damage and skin burns. May be fatal if inhaled. Harmful if swallowed or absorbed through the skin. Do not get in eyes, on skin or on clothing. Do not breathe vapor or spray mist. Wear a NIOSH approved respirator with an organic vapor (OV) cartridge with a combination N, R, or P filter (NIOSH approval number prefix TC-84A). Wear goggles or face shield, chemical-resistant gloves and protective clothing when handling. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash before reuse.

## ENVIRONMENTAL HAZARDS

*(If container is equal to or greater than 5 gal., the following statement must appear on the label.)*

This product is toxic to fish, aquatic invertebrates, oysters and shrimp. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product into sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

*(If container is less than 5 gal., use the following as an alternate to the above statement.)*

This product is toxic to fish, aquatic invertebrates, oysters and shrimp.

## {SPANISH ADVISORY STATEMENTS}

*(Note to Reviewer: This statement is optional except when used on labels with agricultural uses.)*

{SI USTED NO ENTIENDE LA ETIQUETA, BUSQUE A ALGUIEN PARA QUE SE LA EXPLIQUE A USTED EN DETALLE.  
IF YOU DO NOT UNDERSTAND THE LABEL, FIND SOMEONE TO EXPLAIN IT TO YOU IN DETAIL.}



## GRAPHICS AND ICONS

**(Note to Reviewer:** These are representative icons for use sites/application methods that may appear on the label with the appropriate directions for use, PPE or package type.)

{Baby Drowning in Bucket  
Warning Graphic}

{Made in USA Logo/Flag}

{Recycling Logo}

{Mixing Chemical Warning  
Graphic}



## {WARRANTY STATEMENT}

**(Note to Reviewer:** This statement is optional.)

Read Product Material Safety Data Sheet prior to use, PRODUCT WARRANTY, DISCLAIMER AND LIMITATION OF LIABILITY ARE FOUND on the Product Material Safety Data Sheet. Unless inconsistent with applicable law, use of Product signifies agreement with these provisions.

Lea la Hoja de Seguridad del Producto antes de usarlo. LA GARANTIA DEL PRODUCTO, DECLINACION Y LIMITACION DE RESPONSABILIDAD SE ENCUENTRAN en la Hoja de Seguridad del Producto. A menos de que sea inconsistente con la ley, el uso del product signigica acuerdo con estas disposiconies.